SITE / O.U. LBAS · Troy ou
DEQ File # 38 · 06 · 08 · 01
Admin. Record: Yes_____ No_____
Administrative Record #_____
Confidential: Yes_____ No_____
Key Words/Comments:_____

DEQ Contract No. 402014-TO41
Federal Catalog No. 66.802

TASK ORDER NO. 41

This Task Order is entered into between the Montana Department of Environmental Quality (DEQ) and Tetra Tech EM Inc. (Contractor), pursuant to DEQ Contract No. 402014. The purpose of this Task Order is to perform services necessary to complete a Contaminant Screening Study Work Plan for the Troy Operable Unit of the Libby Asbestos Site.

BACKGROUND

In 1881, miners discovered vermiculite seven miles northeast of Libby, Montana. Initial mining operations began in the 1920s. The vermiculite ore was mined, screened, and shipped to various locations throughout the world. The mine closed in 1990.

The vermiculite ore body in Libby contains naturally occurring forms of asbestos. Asbestos is a generic term for a group of six, fibrous silicate minerals. The predominant minerals found at the Libby Asbestos Site are known as amphibole asbestos. Asbestos is a recognized human carcinogen and is classified as a hazardous substance as defined by 40 CFR Section 302.4 of the National Contingency Plan.

The United States Environmental Protection Agency (EPA) placed the Libby Asbestos Site on the National Priorities List in October 2002.

The extent of vermiculite contamination within the Troy Operable Unit is unknown at this time. Based on historical information and knowledge received in Libby, DEQ is not aware of large areas of highly contaminated soils or other media in the City of Troy. The main source areas, the mine, and processing facilities, are located in Libby. However, miners who worked in Libby and lived in Troy may have inadvertently brought home the asbestos fibers on their persons, clothing, and personal items. Troy community members may have used the asbestos-containing vermiculite from the mine for insulation in homes or businesses and as soil supplements for yards and gardens.

TASK DESCRIPTION

EPA's Contractors have prepared numerous work plans and relevant documents for the Contaminant Screening Study and other Remedial Investigation activities in the City of Libby and surrounding areas. DEQ shall provide Contractor will all pertinent reports and information available for the Libby Asbestos Site. Contractor shall reference and utilize all pertinent documents from the Libby activities for the preparation of the Contaminant Screening Study Work Plan for the Troy Operable Unit.

To accomplish the above-stated purpose, Contractor shall perform the following tasks:

TASK NO. 1 PROVIDE EPA CONTRACTOR COMPATABLE DATA

DEQ's Contractor shall provide property ownership identification information and other

pertinent information to EPA's Contractor in paper or electronic formats compatible with the site-wide Libby Asbestos database for continued development of EPA's database. DEQ's Contractor shall not create, develop, maintain, or be in charge of any database for the Libby Asbestos Site.

TASK NO. 2 PREPARE DRAFT CONTAMINANT SCREENING STUDY WORK PLAN

Contractor shall prepare the draft Contaminant Screening Study Work Plan for the Troy Operable Unit (TCSS) to identify and document research, data evaluation, field reconnaissance, and data collection tasks to be conducted in order to identify the nature and extent of asbestos-containing vermiculite and identify locations requiring remediation throughout the Troy Operable Unit. This TCSS will include:

1. A brief history of the Libby Asbestos Site.
2. A history of mining and use, and physical/mineralogical description of the contaminant of concern: asbestos-containing vermiculite.
3. A brief description of location, pertinent features, and physical characteristics of the Troy Operable Unit.
4. A description, including boundaries on aerial photographs and figures, and justification of the Troy Operable Unit Study Area boundary.
5. A brief description of previous investigations of the entire Libby Asbestos Site.
6. A detailed summary of existing data and information collected to date for the Troy Operable Unit.
7. Maps that identify individual buildings by street address or individual properties by identification number, compatible with the Libby Asbestos Site database, so that visual inspections and soil samples easily can be associated with the appropriate property and data may be stored in the Libby Asbestos Site database.
8. A Site Conceptual Model for the Troy Operable Unit including known and suspected sources of contamination, affected media, known and potential routes of migration, and known or potential human and environmental receptors, based on information learned from the work performed for the Libby Asbestos Site in and around the City of Libby.
9. Identification of the research and data collection methods necessary to fully identify the nature and extent of asbestos-containing vermiculite throughout the Troy Operable Unit.
10. Identification of the field sampling and media analysis necessary to fully identify the nature and extent of asbestos-containing vermiculite throughout the Troy Operable Unit, including:
    a) Media to be sampled.
    b) Sample collection methods (reference EPA's Standard Operating Procedures (SOPs) and provide a brief narrative, also identify in data collection table).
    c) Narrative text and data collection table(s) to include: proposed sample locations, ID numbers, media type, Quality Assurance/Quality Control (QA/QC) samples and field methods, and Data Quality Objectives (DQO) for each sample.
    d) Order of sample collection.
    e) Chain-of-custody procedures.
    f) Shipping and handling arrangements consistent with EPA's Contractor's requirements.

g) Analytical methods (reference EPA's SOPs and provide a brief narrative).
h) Field analytical service considerations (including initial survey or GPS of all sample locations).
i) Rationale for and description of special studies, if identified.
j) Supplies and equipment list.
k) Instrument calibration.
l) Decontamination procedures, including:
   1) entry and exit controls; and
   2) disposal of wastes resulting from sampling effort in accordance with EPA and DEQ guidance.
m) Information data collection schedules.
n) Sampling and analysis schedules.
o) Access authorization.
p) All personnel assigned to field work, including:
   1) task assignments; and
   2) certification of compliance with OSHA training requirements.

11. A Health and Safety Plan (HSP) (as an appendix to the TCSS) to ensure the protection of the investigative team and the general public during TCSS investigation activities for the Troy Operable Unit. The HSP should address all applicable Occupational Health and Safety Administration (OSHA) requirements and any other applicable laws. Procedures for protecting third parties, including the community, should also be provided. This will include at a minimum:
    a) Identification of the site health and safety officer, names of key personnel, responsibilities of personnel, and alternates responsible for site safety and health.
    b) A health and safety risk analysis for existing site conditions, and for each site task and operation.
    c) Identification of employee training assignments.
    d) A description of personal protective equipment to be used by employees for each of the site tasks and operations being conducted.
    e) Medical surveillance requirements.
    f) Frequency and types of air monitoring, personnel monitoring, and environmental sampling techniques and instrumentation to be used.
    g) Site control measures.
    h) Decontamination procedures.
    i) SOPs for the site (provide SOP and then reference it with a brief narrative).
    j) A contingency plan.
    k) Entry procedures for confined spaces.
12. A Quality Assurance Project Plan (QAPP) (as an appendix to the TCSS) that ensures the investigation data is of sufficient quantity and quality to support clean up decisions based on site-wide human health and ecological risk assessments. This will include a reference to EPA's Contractor's QAPP with discussion of specific changes/details pertinent to the Troy Operable Unit.

g) Analytical methods (reference EPA's SOPs and provide a brief narrative).
h) Field analytical service considerations (including initial survey or GPS of all sample locations).
i) Rationale for and description of special studies, if identified.
j) Supplies and equipment list.
k) Instrument calibration.
l) Decontamination procedures, including:
   1) entry and exit controls; and
   2) disposal of wastes resulting from sampling effort in accordance with EPA and DEQ guidance.
m) Information data collection schedules.
n) Sampling and analysis schedules.
o) Access authorization.
p) All personnel assigned to field work, including:
   1) task assignments; and
   2) certification of compliance with OSHA training requirements.

11. A Health and Safety Plan (HSP) (as an appendix to the TCSS) to ensure the protection of the investigative team and the general public during TCSS investigation activities for the Troy Operable Unit. The HSP should address all applicable Occupational Health and Safety Administration (OSHA) requirements and any other applicable laws. Procedures for protecting third parties, including the community, should also be provided. This will include at a minimum:
    a) Identification of the site health and safety officer, names of key personnel, responsibilities of personnel, and alternates responsible for site safety and health.
    b) A health and safety risk analysis for existing site conditions, and for each site task and operation.
    c) Identification of employee training assignments.
    d) A description of personal protective equipment to be used by employees for each of the site tasks and operations being conducted.
    e) Medical surveillance requirements.
    f) Frequency and types of air monitoring, personnel monitoring, and environmental sampling techniques and instrumentation to be used.
    g) Site control measures.
    h) Decontamination procedures.
    i) SOPs for the site (provide SOP and then reference it with a brief narrative).
    j) A contingency plan.
    k) Entry procedures for confined spaces.
12. A Quality Assurance Project Plan (QAPP) (as an appendix to the TCSS) that ensures the investigation data is of sufficient quantity and quality to support clean up decisions based on site-wide human health and ecological risk assessments. This will include a reference to EPA's Contractor's QAPP with discussion of specific changes/details pertinent to the Troy Operable Unit.

3. Task No. 2: Contractor shall provide one (1) unbound paper copy, four (4) electronic copies in PDF format on separate CDs, and one (1) electronic copy in Word format on CD of the draft TCSS within one hundred twenty (120) calendar days of the effective date of this Task Order.

4. Task No. 3: Contractor shall provide two (2) bound and one (1) unbound paper copies, ten (10) electronic copies in PDF format on separate CDs, and one (1) electronic copy in Word format on CD of the draft final TCSS within twenty (20) calendar days of Contractor's receipt of DEQ's comments on the draft TCSS.

5. Task No. 4: Contractor shall provide one (1) unbound and six (6) bound paper copies, ten (10) electronic copies in PDF format on separate CDs, and one (1) electronic copy in Word format on CD of the final TCSS within twenty (20) calendar days of Contractor's receipt of DEQ's comments on the draft final TCSS.

6. Contractor shall provide a final task order Closeout Report to DEQ within ninety (90) calendar days of the conclusion of the task order work. The task order Closeout Report shall contain a final statement of account and shall identify any issues that must be resolved for closeout of the task order.

LIAISONS

The DEQ liaison for Task Order No. 41 will be Catherine LeCours (841-5040). The project liaison for Contractor will be Brian Antonioli, P.E. (442-5588). Verbal communications between DEQ and Contractor that affect the scope, schedule or budget for services shall be confirmed in writing and submitted to DEQ by the Contractor for DEQ approval.

KEY PERSONNEL

DEQ hereby identifies the following employees of Contractor as Key Personnel for purposes of performing work under this Task Order:

Brian Antonioli
Others listed on Cost Estimates

No substitution of Key Personnel shall be allowed without the prior written permission of DEQ.

COMPLETION AND ACCEPTANCE

Submittal by Contractor of all deliverables specified in the SCHEDULE AND DELIVERABLES section will constitute completion of work under this Task Order No. 41. All work under this Task Order must completed no later than July 31, 2006. Approval by the appropriate DEQ representative will constitute acceptance of this work effort.

EFFECTIVE DATE

This Task Order shall be effective only after signature of both parties, and such signatures shall constitute authorization for Contractor to proceed with the tasks described under the TASK DESCRIPTION section of this Task Order No. 41. The Effective Date of this Task Order shall be the latter of the dates of signature by DEQ and Contractor.

IN WITNESS WHEREOF, Contractor and DEQ have executed this Task Order No. 41 on the dates set out below:

STATE OF MONTANA DEPARTMENT
OF ENVIRONMENTAL QUALITY

9/9/05
DATE

BY: _____
JUDI C. MAY
Contracts Officer
Financial Services
Metcalf Building, Room 003
1520 E. Sixth Avenue
Helena, MT 59620-0901

Approved for legal content by:

_____
Laura D. Vachowski
DEQ Legal Counsel

09-07-05
Date

TETRA TECH EM INC.

9/9/05
DATE

By: _____
BRIAN ANTONIOLI, P.E.
7 W 6th Avenue Ste 612
Helena, Montana 59601

FEDERAL ID NO. 62-1080561

RECEIVED
2005 SEP -9 A 10:05
MT DEPT OF ENVIRO QUAL
FINANCIAL SERVICES

Troy Contaminant Screening Study Work Plan and Related Services
DEQ Contract No. 402014- Task Order No. 41
Date: 9/6/2005

Subtask #	Subtask Name	Direct Labor	Indirects	ODCs	Total Est.	Profit	Total Price
1	Provide Compatable Data to EPA Contractor	$9,928.16	$11,685.44	$2,053.67	$23,667.27	$2,146.76	$25,814.03
2	Prepare Draft Contaminant Screening Study Work Plan	$25,160.30	$29,613.67	$5,886.90	$60,660.87	$5,447.20	$66,108.07
3	Prepare Draft Final TCSS	$4,790.39	$5,638.28	$1,737.26	$12,165.93	$1,043.28	$13,209.21
4	Prepare Final TCSS	$2,103.43	$2,475.74	$1,281.33	$5,860.50	$463.28	$6,323.78
5	Travel	$7,570.68	$8,910.69	$2,800.75	$19,282.12	$1,649.35	$20,931.47
	Totals	**$49,552.96**	**$58,323.82**	**$13,759.91**	**$121,636.69**	**$10,749.87**	**$132,386.56**

DEQ COST OR PRICE SUMMARY

Form Approved: 7-22-92

PART I - GENERAL

1. PROJECT Troy Operable Unit	2. DEQ Contract No. 402014
3. NAME OF CONTRACTOR OR SUBCONTRACTOR Tetra Tech EM Inc.	4. PROPOSAL DATE 9/6/2005
5. ADDRESS OF CONTRACTOR OR SUBCONTRACTOR (Include ZIP Code) Tetra Tech EM Inc. 7 West 6th Avenue Power Block Bldg, Suite 612 Helena, MT 59601	6. TYPE OF SERVICE TO BE FURNISHED Troy OU - Task Order 41 - Subtask 01: Provide Compatable Data to EPA Contractor
TELEPHONE NUMBER (Include Area Code) (406) 442-5588	

PART II - COST SUMMARY

7. DIRECT LABOR (Specify labor categories)	ESTIMATED HOURS	HOURLY RATE	ESTIMATED COST	TOTALS
Jessica Allewalt - P1 (Environmental Scientist)	40	$16.55	$662.00	
Brian Antonioli - P3 (Project Engineer/Project Manager)	56	$34.75	$1,946.00	
Shané Broesder - P2 (Chemical Engineer)	40	$24.00	$960.00	
Aaron Cade - P2 (Data Management)	40	$25.00	$1,000.00	
Alane Dallas - CL (Word processing/photocopy)	24	$18.97	$455.28	
Dave Donohue - P3 (Hydrogeologist/QCC)	4	$33.00	$132.00	
Bryan Erickson - P1 (Environmental Scientisti/Asbestos)	0	$20.42	$0.00	
Doug Herold - P1 (Computer Graphics Specialist)	40	$17.77	$710.84	
Sandra Hertweck - CL (Financial/Administrative Assistant)	12	$13.52	$162.24	
Allison Jenkins - P3 (Toxicologist-Human Health)	0	$32.94	$0.00	
Ed Madej - P2 (GIS Specialist)	120	$26.00	$3,120.00	
Kathie Roos - P3 (Chemical Engineer)	0	$23.48	$0.00	
Gregory Sharp - P4 (CHMM/Asbestos Inspector)	0	$43.33	$0.00	
Alicia Stickney - P2 (Geologist/Technical Editor)	4	$18.00	$72.00	
Mark Süffler - P2 (Environmental Scientist)	0	$21.70	$0.00	
Mark Stockwell - P4 (Industrial Safety Specialist-Asbestos)	4	$40.48	$161.92	
J. Edward Surbrugg - P4 (Soil Scientist/QCC)	4	$48.47	$193.88	
Rachel Treanor - P1 (Environmental Scientist/Asbestos)	0	$18.92	$0.00	
Brett Vetri - P1 (GPS/Field Technician)	20	$17.60	$352.00	
DIRECT LABOR TOTAL:	408			$9,928.16

8. INDIRECT COSTS (Specify indirect cost pools)		x BASE =	ESTIMATED COST	
Fringe Overhead	39.70%	9,928.16	$3,941.48	
General Overhead (Core, Non-Off-Site, G&A)	78.00%	9,928.16	$7,743.96	
INDIRECT COSTS TOTAL:				$11,685.44

9. OTHER DIRECT COSTS				
a. TRAVEL	UNITS	COST PER UNIT	ESTIMATED COST	
(1) Transportation	0	$0.00	$0.00	
(2) Perdiem	0	$23.00	$0.00	
(3) Lodging	0	$64.20	$0.00	
TRAVEL SUBTOTAL:			$0.00	
b. EQUIPMENT, MATERIALS, SUPPLIES (Specify categories)	UNITS	COST PER UNIT	ESTIMATED COST	
Computer (hours)	326	$5.48	$1,788.67	
Photocopies (pages)	1,250	$0.14	$175.00	
Telephone	10	$5.00	$50.00	
Postage/Federal Express	4	$10.00	$40.00	
EQUIPMENT, MATERIALS, SUPPLIES SUBTOTAL:			$2,053.67	
c. SUBCONTRACTS (Specify Categories)			ESTIMATED COST	
			$0.00	
			$0.00	
SUBCONTRACT SUBTOTAL:			$0.00	
d. OTHER (Specify Categories)				
			$0.00	
OTHER SUBTOTAL			$0.00	
OTHER DIRECT COSTS TOTAL:				$2,053.67

10. TOTAL ESTIMATED COST	$23,667.27
11. PROFIT	$2,146.76
12. TOTAL PRICE	$25,814.03

Profit/Fee Objective	1. Contractor	2. RFP or Contract No.	
	Tetra Tech EMI	402014	Troy OU - Task Order 41 - Subtask 01: Provide Compatable Data to EPA Contractor
CONTRACTOR INPUT TO TOTAL PERFORMANCE			

Cost Category	Government's Co Objective (a)	Weight Range (b)	Assigned Weight-L (c)	Weighted Profit/Fee ((a)x(c)) (d)	Assigned Weight-Hi (e)	Weighted Profit/Fee ((a)x(e)) (f)	Assigned Weight-Av (g)	Weighted Profit/Fee ((a)x(g)) (h)
Direct Mater Purchases	$0.00	1%-4%	1%	$0.00	4%	$0.00	2.50%	$0.00
Subcontracts	$0.00	1%-5%	1%	$0.00	5%	$0.00	3.00%	$0.00
Equipment	$0.00	1%-2%	1%	$0.00	2%	$0.00	1.50%	$0.00
Engineering: Direct Labor	$9,928.16	8%-15%	8%	$794.25	15%	$1,489.22	12.00%	$1,191.38
Overhead	$11,685.44	6%-9%	6%	$701.13	9%	$1,051.69	8.00%	$934.84
Manufacturir Direct Labor	$0.00	5%-9%	5%	$0.00	9%	$0.00	7.00%	$0.00
Overhead	$0.00	4%-7%	4%	$0.00	7%	$0.00	5.50%	$0.00
Consultants	$0.00	2%-5%	2%	$0.00	5%	$0.00	3.50%	$0.00
Other Direct costs:	$2,053.67	1%-3%	1%	$20.54	3%	$61.61	1.00%	$20.54
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
General & Administrative	$0.00	5%-8%	5%	$0.00	8%	$0.00	6.00%	$0.00
TOTALS	$23,667.27			$1,515.92		$2,602.52		$2,146.76
AVERAGE PROFIT				6.41%		11.00%		9.07%

EXHIBIT A: LABOR BACKUP

Troy OU - Task Order 41 - Subtask 01: Provide Compatable Data to EPA Contractor *09/06/05*

Sub-Task No.	Description	Allewalt	Antonioli	Tureck	Cade	Dallas	Donohue	Erickson	Herold	Hertweck	Jenkins	Madej	Roos	Sharp	Stickney	Sutter	Stockwell	Subrugg	Treanor	Veluti	LOE Hours
1	Provide Compatable Data to EPA Contractor																				
	Sub Task Management/Invoicing		0							4								2			14
	Research Existing Property Info	20	8	40	40				20			80								20	220
	Prepare Paper and Electronic Rpts.	20	40			24	4		20	8		40			4		4	2			166
	Subtotal	40	56	40	40	24	4	0	40	12	0	120	0	0	4	0	4	4	0	20	408
	Total Hours :	40	56	40	40	24	4	0	40	12	0	120	0	0	4	0	4	4	0	20	408

Task Clarifications:

1 No new database files will be created

2 All information will be provided in paper and electronic formats

EXHIBIT B: ODC BACKUP

Troy OU - Task Order 41 - Subtask 01: Provide Compatable Data to EPA Contractor Dale : *09/06/05*

Sub Task No.	Description	Photocopying $0.14/ea		Mail/Delivery $10.00/ea		Telecommunication $5.00/ea		Computer $5.48/hr		Total Cost
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	
1	Provide Compatable Data to EPA Contractor									
	Sub Task Management/Invoicing	50	$7.00	0	$0.00	1	$5.00	11	$61.38	$73.38
	Research Existing Property Info.	200	$28.00	2	$20.00	8	$40.00	182	$999.55	$73.38
	Prepare Paper and Electronic Rpts.	1000	$140.00	2	$20.00	1	$5.00	133	$727.74	$73.38
	Subtotal	1,250	$175.00	4	$40.00	10	$50.00	326	$1,788.67	$2,053.67
	Total Other Direct Costs :	**1,250**	**$175.00**	**4**	**$40.00**	**10**	**$50.00**	**326**	**$1,788.67**	**$2,053.67**

EXHIBIT C: TRAVEL BACKUP

Troy OU - Task Order 41 - Subtask 01: Provide Compatable Data to EPA Contractor

Date : *09/06/05*

Task No.	Location From	Location To	Purpose	No. of People	Total No. of Trips	Days/ Trip	Airfare		Hotel		Per Diem		Rental Car		Personal Car		Other/ Car	Total Cost
							Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Cost/ day	Total Cost	No. of Miles	Total Cost		
1	None			0	0	0	$0	$0.00	$0	$0.00	$0	$0.00	$0	$0.00	0	$0.00	$0.00	$0.00
			SUBTOTAL TASK 1:					$0.00		$0.00		$0.00		$0.00		$0.00	$0.00	$0.00
			Total Travel Costs :					$0.00		$0.00		$0.00		$0.00		$0.00	$0.00	$0.00

Notes :

1 Transportation cost represents the lowest cost rental rate currently available.
2 Lodging, per diem, and mileage are in accordance with DEQ Contract.
3 Other/Car include expenses for fuel.

DEQ COST OR PRICE SUMMARY

Form Approved: 7-22-92

PART I - GENERAL

1. PROJECT Troy Operable Unit	2. DEQ Contract No. 402014
3. NAME OF CONTRACTOR OR SUBCONTRACTOR Tetra Tech EM Inc.	4. PROPOSAL DATE 9/6/2005
5. ADDRESS OF CONTRACTOR OR SUBCONTRACTOR (Include ZIP Code) Tetra Tech EM Inc. 7 West 6th Avenue Power Block Bldg, Suite 612 Helena, MT 59601	6. TYPE OF SERVICE TO BE FURNISHED Troy OU - Task Order 41 - Subtask 02: Prepare Draft Contaminant Screening Study Work Plan
TELEPHONE NUMBER (Include Area Code) (406) 442-5588	

PART II - COST SUMMARY

7. DIRECT LABOR (Specify labor categories)	ESTIMATED HOURS	HOURLY RATE	ESTIMATED COST	TOTALS
Jessica Allewalt - P1 (Environmental Scientist)	8	$16.55	$132.40	
Brian Antonioli - P3 (Project Engineer/Project Manager)	52	$34.75	$1,807.00	
Shane Broesder - P2 (Engineer)	20	$24.00	$480.00	
Aaron Cade - P2 (Data Management)	80	$25.00	$2,000.00	
Alane Dallas - CL (Word processing/photocopy)	40	$18.97	$758.80	
Dave Donohue - P3 (Hydrogeologist/QCC)	36	$33.00	$1,188.00	
Bryan Erickson - P1 (Environmental Scientist/Asbestos)	28	$20.42	$571.76	
Doug Herold - P1 (Computer Graphics Specialist)	104	$17.77	$1,848.18	
Sandra Hertweck - CL (Financial/Administrative Assistant)	40	$13.52	$540.80	
Allison Jenkins - P3 (Toxicologist-Human Health)	40	$32.94	$1,317.60	
Ed Madej - P2 (GIS Specialist)	96	$26.00	$2,496.00	
Kathie Roos - P3 (Chemical Engineer)	60	$23.48	$1,408.80	
Gregory Sharp - P4 (CHMM/Asbestos Inspector)	80	$43.33	$3,466.40	
Alicia Stickney - P2 (Geologist/Technical Editor)	16	$18.00	$288.00	
Mark Stiffler - P2 (Environmental Scientist)	40	$21.70	$868.00	
Mark Stockwell - P4 (Industrial Safety Specialist-Asbestos)	40	$40.48	$1,619.20	
J. Edward Surbrugg - P4 (Soil Scientist/QCC)	40	$48.47	$1,938.80	
Rachel Treanor - P1 (Environmental Scientist/Asbestos)	28	$18.92	$529.76	
Brett Vellri - P1 (GPS/Field Technician)	108	$17.60	$1,900.80	
DIRECT LABOR TOTAL:	956			$25,160.30

8. INDIRECT COSTS (Specify indirect cost pools)		x BASE =	ESTIMATED COST	
Fringe Overhead	39.70%	25,160.30	$9,988.64	
General Overhead (Core, Non-Off-Site, G&A)	78.00%	25,160.30	$19,625.03	
INDIRECT COSTS TOTAL:				$29,613.67

9. OTHER DIRECT COSTS				
a. TRAVEL	UNITS	COST PER UNIT	ESTIMATED COST	
(1) Transportation		$305.00	$305.00	
(2) Perdiem		$23.00	$186.00	
(3) Lodging		$64.20	$256.80	
TRAVEL SUBTOTAL:			$747.80	
b. EQUIPMENT, MATERIALS, SUPPLIES (Specify categories)	UNITS	COST PER UNIT	ESTIMATED COST	
Computer (hours)	765	$5.48	$4,191.10	
Photocopies (pages)	5,200	$0.14	$728.00	
Telephone	24	$5.00	$120.00	
Postage/Federal Express	10	$10.00	$100.00	
EQUIPMENT, MATERIALS, SUPPLIES SUBTOTAL:			$5,139.10	
c. SUBCONTRACTS (Specify Categories)			ESTIMATED COST	
			$0.00	
			$0.00	
SUBCONTRACT SUBTOTAL:			$0.00	
d. OTHER (Specify Categories)				
			$0.00	
OTHER SUBTOTAL			$0.00	
OTHER DIRECT COSTS TOTAL:				$5,886.90

10. TOTAL ESTIMATED COST	$60,660.87
11. PROFIT	$5,447.20
12. TOTAL PRICE	$66,108.07

Profit/Fee Objective	1. Contractor		2. RFP or Contract No.					
	Tetra Tech EMI		402014		Troy OU - Task Order 41 - Subtask 02: Prepare Draft			
CONTRACTOR INPUT TO TOTAL PERFORMANCE					Contaminant Screening Study Work Plan			
Cost Category	Government's Co Objective (a)	Weight Range (b)	Assigned Weight-L (c)	Weighted Profit/Fee ((a)x(c)) (d)	Assigned Weight-Hi (e)	Weighted Profit/Fee ((a)x(e)) (f)	Assigned Weight-Av (g)	Weighted Profit/Fee ((a)x(g)) (h)
Direct Mater Purchases	$0.00	1%-4%	1%	$0.00	4%	$0.00	2.50%	$0.00
Subcontracts	$0.00	1%-5%	1%	$0.00	5%	$0.00	3.00%	$0.00
Equipment	$0.00	1%-2%	1%	$0.00	2%	$0.00	1.50%	$0.00
Engineering: Direct Labor	$25,160.30	8%-15%	8%	$2,012.82	15%	$3,774.05	12.00%	$3,019.24
Overhead	$29,613.67	6%-9%	6%	$1,776.82	9%	$2,665.23	8.00%	$2,369.09
Manufacturir Direct Labor	$0.00	5%-9%	5%	$0.00	9%	$0.00	7.00%	$0.00
Overhead	$0.00	4%-7%	4%	$0.00	7%	$0.00	5.50%	$0.00
Consultants	$0.00	2%-5%	2%	$0.00	5%	$0.00	3.50%	$0.00
Other Direct costs:	$5,886.90	1%-3%	1%	$58.87	3%	$176.61	1.00%	$58.87
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
General & Administrative	$0.00	5%-8%	5%	$0.00	8%	$0.00	6.00%	$0.00
TOTALS	$60,660.87			$3,848.51		$6,615.88		$5,447.20
AVERAGE PROFIT				6.34%		10.91%		8.98%

EXHIBIT A: LABOR BACKUP

Troy OU - Task Order 41 - Subtask 02: Prepare Draft Contaminant Screening Study Work Plan *09/06/05*

Sub Task No.	Description	Allewalt	Antoniol	Broesder	Cade	Dallas	Donohue	Erickson	Herold	Herlweck	Jenkins	Madej	Roos	Sharp	Sickney	Stiller	Stockwell	Surbrugg	Theanor	Vettel	LOE Hours
2	Prepare Draft TCSS Work Plan																				
	Sub Task Management/Invoicing		8							8								4			20
	Compile Existing Info. (Nos. 1-6)	8	8	20	40	40	8	8	8	8		8	20	20	8	16	20	4		8	252
	Prepare Maps (No. 7)				40				00			80								80	280
	Prepare CSM (No. 8)		8						8		40							8			64
	Prepare SAP (Nos. 9 & 10)		20				20	20		20				20	8	16	20	8	20	20	192
	Prepare HSP (No. 11)								8			8		40		8		16	8		88
	Prepare QAPP (No. 12)		8				8			4			40								60
	Total Hours :	8	52	20	80	40	36	28	104	40	40	96	60	80	16	40	40	40	28	108	956

Task Clarifications:

1 Existing information will be readily available from EPA contractor and State DEQ.
2 Maps will be compatable with the Libby Asbestos Site database and will be field checked for accuracy.
3 The Conceptual Site Model will be based on information from the Libby Asbestos Site.
4 Subtasks 9 and 10 will be combined for estimating purposes.
5 The Health and Safety Plan will use and reference the Site-wide Libby Asbestos Site Health and Safety Plan.
6 The Quality Assurance Project Plan will reference the Libby Asbestos Site QAPP.

EXHIBIT B: ODC BACKUP

Troy OU - Task Order 41 - Sublask 02: Prepare Draft Contaminant Screening Study Work Plan Date : *09/06/05*

Sub Task No.	Description	Photocopying $0.14/ea		Mail/Delivery $10.00/ea		Telecommunication $5.00/ea		Computer $5.48/hr		Total Cost
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	
2	**Prepare Draft TCSS Work Plan**									
	Sub Task Management/Invoicing	200	$28.00	5	$50.00	2	$10.00	16	$87.68	$175.68
	Compile Existing Info. (Nos. 1-6)	1,000	$140.00		$0.00	10	$50.00	202	$1,104.77	$1,294.77
	Prepare Maps (No. 7)	1,000	$140.00		$0.00	5	$25.00	224	$1,227.52	$1,392.52
	Prepare CSM (No. 8)	0	$0.00		$0.00	5	$25.00	51	$280.58	$305.58
	Prepare SAP (Nos. 9 & 10)	1,000	$140.00		$0.00	2	$10.00	154	$841.73	$991.73
	Prepare HSP (No. 11)	1,000	$140.00		$0.00		$0.00	70	$385.79	$991.73
	Prepare QAPP (No. 12)	1,000	$140.00	5	$50.00		$0.00	48	$263.04	$991.73
	Total Other Direct Costs :	**5,200**	**$728.00**	**10**	**$100.00**	**24**	**$120.00**	**765**	**$4,191.11**	**$6,143.74**

1 Assume Draft TCSS Work Plan is 500 pages with 10 copies needed.
2 Assume Draft TCSS Work Plan will be mailed to 5 out-of-town recipients (5 mailings shown in "Prepare QAPP" row)

EXHIBIT C: TRAVEL BACKUP

Troy OU - Task Order 41 - Subtask 02: Prepare Draft Contaminant Screening Study Work Plan

Date : *09/06/05*

Task No.	Location From	Location To	Purpose	No. of People	Total No. of Trips	Days/ Trip	Airfare		Hotel		Per Diem		Rental Car		Personal Car		Other/ Car	Total Cost
							Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Cost/ day	Total Cost	No. of Miles	Total Cost		
2	Helena	Troy	Verify Street and Property Maps	2	1	3	$0	$0.00	$64	$256.80	$31	$186.00	$60	$180.00	0	$0.00	$125.00	$747.80
			SUBTOTAL TASK 1:					$0.00		$256.80		$186.00		$180.00		$0.00	$125.00	$747.80
			Total Travel Costs :					$0.00		$256.80		$186.00		$180.00		$0.00	$125.00	$747.80

Notes :

1 Transportation cost represents the lowest cost rental rate currently available
2 Lodging, per diem, and mileage are in accordance with DEQ Contract.
3 Other/Car include expenses for fuel.
4 Distance from Helena to Troy is 300 miles. Assume 600 miles driven in 3 days.

DEQ COST OR PRICE SUMMARY

Form Approved: 7-22-92

PART I - GENERAL

1. PROJECT Troy Operable Unit	2. DEQ Contract No. 402014
3. NAME OF CONTRACTOR OR SUBCONTRACTOR Tetra Tech EM Inc.	4. PROPOSAL DATE 9/6/2005
5. ADDRESS OF CONTRACTOR OR SUBCONTRACTOR (Include ZIP Code) Tetra Tech EM Inc. 7 West 6th Avenue Power Block Bldg, Suite 612 Helena, MT 59601 TELEPHONE NUMBER (Include Area Code) (406) 442-5588	6. TYPE OF SERVICE TO BE FURNISHED Troy OU - Task Order 41 - Subtask 03: Prepare Draft Final TCSS

PART II - COST SUMMARY

7. DIRECT LABOR (Specify labor categories)	ESTIMATED HOURS	HOURLY RATE	ESTIMATED COST	TOTALS
Jessica Allewalt - P1 (Environmental Scientist)	4	$16.55	$66.20	
Brian Antonioli - P3 (Project Engineer/Project Manager)	16	$34.75	$556.00	
Shane Broesder - P2 (Engineer)	8	$24.00	$192.00	
Aaron Cade - P2 (Data Management)	8	$25.00	$200.00	
Alane Dallas - CL (Word processing/photocopy)	20	$18.97	$379.40	
Dave Donohue - P3 (Hydrogeologist/QCC)	4	$33.00	$132.00	
Bryan Erickson - P1 (Environmental Scientist/Asbestos)	4	$20.42	$81.68	
Doug Herold - P1 (Computer Graphics Specialist)	28	$17.77	$497.59	
Sandra Hertweck - CL (Financial/Administrative Assistant)	24	$13.52	$324.48	
Allison Jenkins - P3 (Toxicologist-Human Health)	8	$32.94	$263.52	
Ed Madej - P2 (GIS Specialist)	20	$26.00	$520.00	
Kathie Roos - P3 (Chemical Engineer)	0	$23.48	$0.00	
Gregory Sharp - P4 (CHMM/Asbestos Inspector)	8	$43.33	$346.64	
Alicia Stickney - P2 (Geologist/Technical Editor)	12	$18.00	$216.00	
Mark Stiffler - P2 (Environmental Scientist)	4	$21.70	$86.80	
Mark Stockwell - P4 (Industrial Safety Specialist-Asbestos)	8	$40.48	$323.84	
J. Edward Surbrugg - P4 (Soil Scientist/QCC)	8	$48.47	$387.76	
Rachel Treanor - P1 (Environmental Scientist/Asbestos)	4	$18.92	$75.68	
Brett Veltri - P1 (GPS/Field Technician)	8	$17.60	$140.80	
DIRECT LABOR TOTAL:	196			$4,790.39

8. INDIRECT COSTS (Specify indirect cost pools)		x BASE =	ESTIMATED COST	
Fringe Overhead	39.70%	4,790.39	$1,901.78	
General Overhead (Core, Non-Off-Site, G&A)	78.00%	4,790.39	$3,736.50	
INDIRECT COSTS TOTAL:				$5,638.28

9. OTHER DIRECT COSTS				
a. TRAVEL	UNITS	COST PER UNIT	ESTIMATED COST	
(1) Transportation	1	$0.00	$0.00	
(2) Perdiem	0	$23.00	$0.00	
(3) Lodging	0	$64.20	$0.00	
TRAVEL SUBTOTAL:			$0.00	
b. EQUIPMENT, MATERIALS, SUPPLIES (Specify categories)	UNITS	COST PER UNIT	ESTIMATED COST	
Computer (hours)	157	$5.48	$859.26	
Photocopies (pages)	5,200	$0.14	$728.00	
Telephone	16	$5.00	$80.00	
Postage/Federal Express	7	$10.00	$70.00	
EQUIPMENT, MATERIALS, SUPPLIES SUBTOTAL:			$1,737.26	
c. SUBCONTRACTS (Specify Categories)			ESTIMATED COST	
			$0.00	
			$0.00	
SUBCONTRACT SUBTOTAL:			$0.00	
d. OTHER (Specify Categories)				
			$0.00	
OTHER SUBTOTAL			$0.00	
OTHER DIRECT COSTS TOTAL:				$1,737.26

10. TOTAL ESTIMATED COST	$12,165.93
11. PROFIT	$1,043.28
12. TOTAL PRICE	$13,209.21

Profit/Fee Objective	1. Contractor		2. RFP or Contract No.					
	Tetra Tech EMI		402014		Troy OU - Task Order 41 - Subtask 03: Prepare Draft			
CONTRACTOR INPUT TO TOTAL PERFORMANCE					Final TCSS			
Cost Category	Government's Co Objective (a)	Weight Range (b)	Assigned Weight-L (c)	Weighted Profit/Fee ((a)x(c)) (d)	Assigned Weight-Hi (e)	Weighted Profit/Fee ((a)x(e)) (f)	Assigned Weight-Av (g)	Weighted Profit/Fee ((a)x(g)) (h)
Direct Mater Purchases	$0.00	1%-4%	1%	$0.00	4%	$0.00	2.50%	$0.00
Subcontracts	$0.00	1%-5%	1%	$0.00	5%	$0.00	3.00%	$0.00
Equipment	$0.00	1%-2%	1%	$0.00	2%	$0.00	1.50%	$0.00
Engineering: Direct Labor	$4,790.39	8%-15%	8%	$383.23	15%	$718.56	12.00%	$574.85
Overhead	$5,638.28	6%-9%	6%	$338.30	9%	$507.45	8.00%	$451.06
Manufacturi Direct Labor	$0.00	5%-9%	5%	$0.00	9%	$0.00	7.00%	$0.00
Overhead	$0.00	4%-7%	4%	$0.00	7%	$0.00	5.50%	$0.00
Consultants	$0.00	2%-5%	2%	$0.00	5%	$0.00	3.50%	$0.00
Other Direct costs:	$1,737.26	1%-3%	1%	$17.37	3%	$52.12	1.00%	$17.37
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
General & Administrative	$0.00	5%-8%	5%	$0.00	8%	$0.00	6.00%	$0.00
TOTALS	$12,165.93			$738.90		$1,278.12		$1,043.28
AVERAGE PROFIT				6.07%		10.51%		8.58%

EXHIBIT A: LABOR BACKUP

Troy OU - Task Order 41 - Subtask 03: Prepare Draft Final TCSS *09/06/05*

Sub Task No.	Description	Allewalt	Antonioli	Broesder	Cade	Dallas	Donohue	Erickson	Herold	Hertweck	Jenkins	Madej	Roos	Sharp	Stickney	Stiffler	Stockwell	Surbrugg	Treanor	Veltri	LOE Hours
3	Prepare Draft Final TCSS																				
	Sub Task Management/Invoicing		4							4											8
	Revise Existing Info. (Nos. 1-6)	4	4	4		8	4	4							4		4	4			40
	Revise Maps (No. 7)				6				20			20								8	56
	Revise CSM, SAP, HSP, & QAPP (Nos. 8-12)		8	4		12			8	20	8			8	8	4	4	4	4		92
	Total Hours :	4	16	8	6	20	4	4	28	24	8	20	0	8	12	4	8	8	4	8	196

Task Clarifications:

1 All assumptions used for Subtask 2 still apply.
2 Maps will be revised based on the most current information available.
3 Hours to revise the CSM, SAP, HSP, and QAPP are combined for estimating purposes.

EXHIBIT B: ODC BACKUP

Troy OU - Task Order 41 - Subtask 03: Prepare Draft Final TCSS Date : 09/06/05

Sub Task No:	Description	Photocopying $0.14/ea		Mail/Delivery $10.00/ea		Telecommunication $5.00/ea		Computer $5.48/hr		Total Cost
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	
3	**Prepare Draft Final TCSS**									
	Sub Task Management/Invoicing	200	$28.00	2	$20.00	1	$5.00	6	$35.07	$88.07
	Revise Existing Info. (Nos. 1-6)	1,000	$140.00		$0.00	5	$25.00	32	$175.36	$340.36
	Revise Maps (No. 7)	1,000	$140.00		$0.00	5	$25.00	45	$245.50	$410.50
	Revise CSM, SAP, HSP, & QAPP (Nos. 8-12)	3,000	$420.00	5	$50.00	5	$25.00	74	$403.33	$898.33
	Total Other Direct Costs :	**5,200**	**$728.00**	**7**	**$70.00**	**16**	**$80.00**	**157**	**$859.26**	**$1,737.26**

1 Assume Draft Final TCSS Work Plan will be 500 pages with 10 copies needed.
2 Assume Draft TCSS Work Plan will be mailed to 5 out-of-town recipients (5 mailings shown in "Revise CSM, SAP, HSP, & QAPP" row)

EXHIBIT C: TRAVEL BACKUP

Troy OU - Task Order 41 - Subtask 03: Prepare Draft Final TCSS

Date.: *09/06/05*

Task No.	Location From	Location To	Purpose	No. of People	Total No. of Trips	Days/ Trip	Airfare		Hotel		Per Diem		Rental Car		Personal Car		Other/ Car	Total Cost
							Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Cost/ day	Total Cost	No. of Miles	Total Cost		
3	None			0	0	0	$0	$0.00	$60	$0.00	$31	$0.00	$60	$0.00	0	$0.00	$0.00	$0.00
			SUBTOTAL TASK 1:					$0.00		$0.00		$0.00		$0.00		$0.00	$0.00	$0.00
			Total Travel Costs :					$0.00		$0.00		$0.00		$0.00		$0.00	$0.00	$0.00

Notes :

1 Transportation cost represents the lowest cost rental rate currently available.
2 Lodging, per diem, and mileage are in accordance with DEQ Contract.
3 Other/Car include expenses for fuel.
4 Distance from Helena to Troy is 300 miles. Assume 600 miles driven in 3 days.

DEQ COST OR PRICE SUMMARY

Form Approved: 7-22-92

PART I - GENERAL

1. PROJECT Troy Operable Unit	2. DEQ Contract No. 402014
3. NAME OF CONTRACTOR OR SUBCONTRACTOR Tetra Tech EM Inc.	4. PROPOSAL DATE 9/6/2005
5. ADDRESS OF CONTRACTOR OR SUBCONTRACTOR (Include ZIP Code) Tetra Tech EM Inc. 7 West 6th Avenue Power Block Bldg, Suite 612 Helena, MT 59601	6. TYPE OF SERVICE TO BE FURNISHED Troy OU - Task Order 41 - Subtask 04: Prepare Final TCSS
TELEPHONE NUMBER (Include Area Code) (406) 442-5588	

PART II - COST SUMMARY

7. DIRECT LABOR (Specify labor categories)	ESTIMATED HOURS	HOURLY RATE	ESTIMATED COST	TOTALS
Jessica Allewalt - P1 (Environmental Scientist)	0	$16.55	$0.00	
Brian Antonioli - P3 (Project Engineer/Project Manager)	8	$34.75	$278.00	
Shane Broesder - P2 (Engineer)	4	$24.00	$96.00	
Aaron Cade - P2 (Data Management)	4	$25.00	$100.00	
Alane Dallas - CL (Word processing/photocopy)	12	$18.97	$227.64	
Dave Donohue - P3 (Hydrogeologist/QCC)	0	$33.00	$0.00	
Bryan Erickson - P1 (Environmental Scientist/Asbestos)	0	$20.42	$0.00	
Doug Herold - P1 (Computer Graphics Specialist)	14	$17.77	$248.79	
Sandra Hertweck - CL (Financial/Administrative Assistant)	22	$13.52	$297.44	
Allison Jenkins - P3 (Toxicologist-Human Health)	4	$32.94	$131.76	
Ed Madej - P2 (GIS Specialist)	10	$26.00	$260.00	
Kathie Roos - P3 (Chemical Engineer)	0	$23.48	$0.00	
Gregory Sharp - P4 (CHMM/Asbestos Inspector)	0	$43.33	$0.00	
Alicia Stickney - P2 (Geologist/Technical Editor)	6	$18.00	$108.00	
Mark Stiffler - P2 (Environmental Scientist)	0	$21.70	$0.00	
Mark Stockwell - P4 (Industrial Safety Specialist-Asbestos)	4	$40.48	$161.92	
J. Edward Surbrugg - P4 (Soil Scientist/QCC)	4	$48.47	$193.88	
Rachel Treanor - P1 (Environmental Scientist/Asbestos)	0	$18.92	$0.00	
Brett Veltri - P1 (GPS/Field Technician)	0	$17.60	$0.00	
DIRECT LABOR TOTAL:	92			$2,103.43

8. INDIRECT COSTS (Specify indirect cost pools)		x BASE =	ESTIMATED COST	
Fringe Overhead	39.70%	2,103.43	$835.06	
General Overhead (Core, Non-Off-Site, G&A)	78.00%	2,103.43	$1,640.68	
INDIRECT COSTS TOTAL:				$2,475.74

9. OTHER DIRECT COSTS				
a. TRAVEL	UNITS	COST PER UNIT	ESTIMATED COST	
(1) Transportation	1	$0.00	$0.00	
(2) Perdiem	0	$23.00	$0.00	
(3) Lodging	0	$64.20	$0.00	
TRAVEL SUBTOTAL:			$0.00	
b. EQUIPMENT, MATERIALS, SUPPLIES (Specify categories)	UNITS	COST PER UNIT	ESTIMATED COST	
Computer (hours)	74	$5.48	$403.33	
Photocopies (pages)	5,200	$0.14	$728.00	
Telephone	16	$5.00	$80.00	
Postage/Federal Express	7	$10.00	$70.00	
EQUIPMENT, MATERIALS, SUPPLIES SUBTOTAL:			$1,281.33	
c. SUBCONTRACTS (Specify Categories)			ESTIMATED COST	
			$0.00	
			$0.00	
SUBCONTRACT SUBTOTAL:			$0.00	
d. OTHER (Specify Categories)				
			$0.00	
OTHER SUBTOTAL			$0.00	
OTHER DIRECT COSTS TOTAL:				$1,281.33

10. TOTAL ESTIMATED COST	$5,860.50
11. PROFIT	$463.28
12. TOTAL PRICE	$6,323.78

Profit/Fee Objective	1. Contractor	2. RFP or Contract No.						
	Tetra Tech EMI	402014			Troy OU - Task Order 41 - Subtask 04: Prepare Final			
CONTRACTOR INPUT TO TOTAL PERFORMANCE					TCSS			
Cost Category	Government's Co Objective (a)	Weight Range (b)	Assigned Weight-L (c)	Weighted Profit/Fee ((a)x(c)) (d)	Assigned Weight-Hi (e)	Weighted Profit/Fee ((a)x(e)) (f)	Assigned Weight-Av (g)	Weighted Profit/Fee ((a)x(g)) (h)
Direct Mater Purchases	$0.00	1%-4%	1%	$0.00	4%	$0.00	2.50%	$0.00
Subcontracts	$0.00	1%-5%	1%	$0.00	5%	$0.00	3.00%	$0.00
Equipment	$0.00	1%-2%	1%	$0.00	2%	$0.00	1.50%	$0.00
Engineering: Direct Labor	$2,103.43	8%-15%	8%	$168.27	15%	$315.51	12.00%	$252.41
Overhead	$2,475.74	6%-9%	6%	$148.54	9%	$222.82	8.00%	$198.06
Manufacturir Direct Labor	$0.00	5%-9%	5%	$0.00	9%	$0.00	7.00%	$0.00
Overhead	$0.00	4%-7%	4%	$0.00	7%	$0.00	5.50%	$0.00
Consultants	$0.00	2%-5%	2%	$0.00	5%	$0.00	3.50%	$0.00
Other Direct costs:	$1,281.33	1%-3%	1%	$12.81	3%	$38.44	1.00%	$12.81
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
General & Administrative	$0.00	5%-8%	5%	$0.00	8%	$0.00	6.00%	$0.00
TOTALS	$5,860.50			$329.63		$576.77		$463.28
AVERAGE PROFIT				5.62%		9.84%		7.91%

EXHIBIT A: LABOR BACKUP

Troy OU - Task Order 41 - Subtask 04: Prepare Final TCSS

09/06/05

Sub Task No.	Description	Allewalt	Antonioli	Broesder	Cade	Dallas	Donohue	Erickson	Herold	Hertweck	Jenkins	Madej	Roos	Sharp	Stickney	Stiffler	Stockwell	Subrugg	Treanor	Vollrl	LOE Hours
4	Prepare Final TCSS																				
	Sub Task Management/Invoicing		2							2											4
	Revise Existing Info. (Nos. 1-6)		2			4									2		2				10
	Revise Maps (No. 7)				4				10			10									24
	Revise CSM, SAP, HSP, & QAPP (Nos. 8-12)		4	4		8			4	20	4				4		2	4			54
	Total Hours :	0	8	4	4	12	0	0	14	22	4	10	0	0	6	0	4	4	0	0	92

Task Clarifications:

1 All assumptions used for Subtask 2 still apply.
2 Maps will be revised based on the most current information available.
3 Hours to revise the CSM, SAP, HSP, and QAPP are combined for estimating purposes.

EXHIBIT B: ODC BACKUP

Troy OU - Task Order 41 - Subtask 04: Prepare Final TCSS Date : *09/06/05*

Sub Task No.	Description	Photocopying $0.14/ea		Mail/Delivery $10.00/ea		Telecommunication $5.00/ea		Computer $5.48/hr		Total Cost
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	
4	**Prepare Final TCSS**									
	Sub Task Management/Invoicing	200	$28.00	2	$20.00	1	$5.00	3	$17.54	$70.54
	Revise Existing Info. (Nos. 1-6)	1,000	$140.00		$0.00	5	$25.00	8	$43.84	$208.84
	Revise Maps (No. 7)	1,000	$140.00		$0.00	5	$25.00	19	$105.22	$270.22
	Revise CSM, SAP, HSP, & QAPP (Nos. 8-12)	3,000	$420.00	5	$50.00	5	$25.00	43	$236.74	$731.74
	Total Other Direct Costs :	**5,200**	**$728.00**	**7**	**$70.00**	**16**	**$80.00**	**74**	**$403.34**	**$1,281.34**

1 Assume Draft Final TCSS Work Plan will be 500 pages with 10 copies needed.
2 Assume Draft TCSS Work Plan will be mailed to 5 out-of-town recipients (5 mailings shown in "Revise CSM, SAP, HSP, & QAPP" row)

EXHIBIT C: TRAVEL BACKUP

Troy OU - Task Order 41 - Subtask 04: Prepare Final TCSS

Date : *09/06/05*

Task No.	Location From	Location To	Purpose	No. of People	Total No. of Trips	Days/ Trip	Airfare		Hotel		Per Diem		Rental Car		Personal Car		Other/ Car	Total Cost
							Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Cost/ day	Total Cost	No. of Miles	Total Cost		
4	None			0	0	0	$0	$0.00	$60	$0.00	$31	$0.00	$60	$0.00	0	$0.00	$0.00	$0.00
			SUBTOTAL TASK 1:					$0.00		$0.00		$0.00		$0.00		$0.00	$0.00	$0.00
			Total Travel Costs :					$0.00		$0.00		$0.00		$0.00		$0.00	$0.00	$0.00

Notes :

1 Transportation cost represents the lowest cost rental rate currently available.
2 Lodging, per diem, and mileage are in accordance with DEQ Contract.
3 Other/Car include expenses for fuel.
4 Distance from Helena to Troy is 300 miles. Assume 600 miles driven in 3 days.

DEQ COST OR PRICE SUMMARY

Form Approved: 7-22-92

PART I - GENERAL

1. PROJECT Troy Operable Unit	2. DEQ Contract No. 402014
3. NAME OF CONTRACTOR OR SUBCONTRACTOR Tetra Tech EM Inc.	4. PROPOSAL DATE 9/6/2005
5. ADDRESS OF CONTRACTOR OR SUBCONTRACTOR (Include ZIP Code) Tetra Tech EM Inc. 7 West 6th Avenue Power Block Bldg, Suite 612 Helena, MT 59601	6. TYPE OF SERVICE TO BE FURNISHED Troy OU - Task Order 41 - Subtask 05: Travel
TELEPHONE NUMBER (Include Area Code) (406) 442-5588	

PART II - COST SUMMARY

7. DIRECT LABOR (Specify labor categories)	ESTIMATED HOURS	HOURLY RATE	ESTIMATED COST	TOTALS
Jessica Allewalt - P1 (Environmental Scientist)	0	$16.55	$0.00	
Brian Antonioli - P3 (Project Engineer/Project Manager)	100	$34.75	$3,475.00	
Shane Broesder - P2 (Engineer)	0	$24.00	$0.00	
Aaron Cade - P2 (Data Management)	0	$25.00	$0.00	
Alane Dallas - CL (Word processing/photocopy)	0	$18.97	$0.00	
Dave Donohue - P3 (Hydrogeologist/QCC)	0	$33.00	$0.00	
Bryan Erickson - P1 (Environmental Scientist/Asbestos)	0	$20.42	$0.00	
Doug Herold - P1 (Computer Graphics Specialist)	0	$17.77	$0.00	
Sandra Hertweck - CL (Financial/Administrative Assistant)	4	$13.52	$54.08	
Allison Jenkins - P3 (Toxicologist-Human Health)	0	$32.94	$0.00	
Ed Madej - P2 (GIS Specialist)	0	$26.00	$0.00	
Kathie Roos - P3 (Chemical Engineer)	48	$23.48	$1,127.04	
Gregory Sharp - P4 (CHMM/Asbestos Inspector)	0	$43.33	$0.00	
Alicia Stickney - P2 (Geologist/Technical Editor)	0	$18.00	$0.00	
Mark Stiffler - P2 (Environmental Scientist)	0	$21.70	$0.00	
Mark Stockwell - P4 (Industrial Safety Specialist-Asbestos)	72	$40.48	$2,914.56	
J. Edward Surbrugg - P4 (Soil Scientist/QCC)	0	$48.47	$0.00	
Rachel Treanor - P1 (Environmental Scientist/Asbestos)	0	$18.92	$0.00	
Brett Veltri - P1 (GPS/Field Technician)	0	$17.60	$0.00	
DIRECT LABOR TOTAL:	224			$7,570.68

8. INDIRECT COSTS (Specify indirect cost pools)		x BASE =	ESTIMATED COST	
Fringe Overhead	39.70%	7,570.68	$3,005.56	
General Overhead (Core, Non-Off-Site, G&A)	78.00%	7,570.68	$5,905.13	
INDIRECT COSTS TOTAL:				$8,910.69

9. OTHER DIRECT COSTS				
a. TRAVEL	UNITS	COST PER UNIT	ESTIMATED COST	
(1) Transportation		$940.00	$940.00	
(2) Perdiem		$23.00	$713.00	
(3) Lodging		$58.85	$960.00	
TRAVEL SUBTOTAL:			$2,613.00	
b. EQUIPMENT, MATERIALS, SUPPLIES (Specify categories)	UNITS	COST PER UNIT	ESTIMATED COST	
Computer (hours)	22	$5.48	$122.75	
Photocopies (pages)	250	$0.14	$35.00	
Telephone	6	$5.00	$30.00	
Postage/Federal Express	0	$10.00	$0.00	
EQUIPMENT, MATERIALS, SUPPLIES SUBTOTAL:			$187.75	
c. SUBCONTRACTS (Specify Categories)			ESTIMATED COST	
			$0.00	
			$0.00	
SUBCONTRACT SUBTOTAL:			$0.00	
d. OTHER (Specify Categories)				
			$0.00	
OTHER SUBTOTAL			$0.00	
OTHER DIRECT COSTS TOTAL:				$2,800.75

10. TOTAL ESTIMATED COST	$19,282.12
11. PROFIT	$1,649.35
12. TOTAL PRICE	$20,931.47

Profit/Fee Objective	1. Contractor		2. RFP or Contract No.					
	Tetra Tech EMI		402014					
CONTRACTOR INPUT TO TOTAL PERFORMANCE						Troy OU - Task Order 41 - Subtask 05: Travel		
Cost Category	Government's Co Objective (a)	Weight Range (b)	Assigned Weight-L (c)	Weighted Profit/Fee ((a)x(c)) (d)	Assigned Weight-Hi (e)	Weighted Profit/Fee ((a)x(e)) (f)	Assigned Weight-Av (g)	Weighted Profit/Fee ((a)x(g)) (h)
Direct Mater Purchases	$0.00	1%-4%	1%	$0.00	4%	$0.00	2.50%	$0.00
Subcontracts	$0.00	1%-5%	1%	$0.00	5%	$0.00	3.00%	$0.00
Equipment	$0.00	1%-2%	1%	$0.00	2%	$0.00	1.50%	$0.00
Engineering: Direct Labor	$7,570.68	8%-15%	8%	$605.65	15%	$1,135.60	12.00%	$908.48
Overhead	$8,910.69	6%-9%	6%	$534.64	9%	$801.96	8.00%	$712.86
Manufacturii Direct Labor	$0.00	5%-9%	5%	$0.00	9%	$0.00	7.00%	$0.00
Overhead	$0.00	4%-7%	4%	$0.00	7%	$0.00	5.50%	$0.00
Consultants	$0.00	2%-5%	2%	$0.00	5%	$0.00	3.50%	$0.00
Other Direct costs:	$2,800.75	1%-3%	1%	$28.01	3%	$84.02	1.00%	$28.01
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
	$0.00	1%-3%	1%	$0.00	3%	$0.00	2.00%	$0.00
General & Administrative	$0.00	5%-8%	5%	$0.00	8%	$0.00	6.00%	$0.00
TOTALS	$19,282.12			$1,168.30		$2,021.59		$1,649.35
AVERAGE PROFIT				6.06%		10.48%		8.55%

EXHIBIT A: LABOR BACKUP

Troy OU - Task Order 41 - Subtask 05: Travel *09/06/05*

Sub Task No.	Description	Allewalt	Antonioli	Broesder	Cada	Dallas	Donohue	Erickson	Herold	Hertweck	Jenkins	Madej	Roos	Sharp	Stickney	Stiffler	Stockwell	Surbrugg	Treanor	Veluf	LOE Hours
5	Travel																				
	Sub Task Management/Invoicing		4							4											8
	Attend 2 Public/Technical Meetings		48														24				72
	Attend Site Orientation Tour		48										48				48				144
	Total Hours :	0	100	0	0	0	0	0	0	4	0	0	48	0	0	0	72	0	0	0	224

Task Clarifications:

1 Assume 2-day public/technical meetings will require two 12-hour days with travel time.

2 Assume Site Orientation tour will require 48 hours over 5 days with travel time.

EXHIBIT B: ODC BACKUP

Troy OU - Task Order 41 - Subtask 05: Travel

Date : *09/06/05*

Sub Task No.	Description	Photocopying $0.14/ea		Mail/Delivery $10.00/ea		Telecommunication $5.00/ea		Computer $5.48/hr		Total Cost
		Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	
5	Travel									
	Sub Task Management/Invoicing	100	$14.00		$0.00	1	$5.00	6	$35.07	$54.07
	Attend 2 Public/Technical Meetings	100	$14.00		$0.00	2	$10.00	8	$43.84	$67.84
	Attend Site Orientation Tour	50	$7.00		$0.00	3	$15.00	8	$43.84	$65.84
	Total Other Direct Costs :	**250**	**$35.00**	**0**	**$0.00**	**6**	**$30.00**	**22**	**$122.75**	**$187.75**

EXHIBIT C: TRAVEL BACKUP

Troy OU - Task Order 41 - Subtask 05: Travel

Date : 09/06/05

Task No.	Location From	Location To	Purpose	No. of People	Total No. of Trips	Days/ Trip	Airfare		Hotel		Per Diem		Rental Car		Personal Car		Other/ Car	Total Cost
							Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Cost/ day	Total Cost	No. of Miles	Total Cost		
5	Helena	Troy	2 Public/Technical Meetings	2	2	2	$0	$0.00	$60	$240.00	$31	$248.00	$60	$240.00	0	$0.00	$250.00	$978.00
	Helena	Troy	Site Orientation Tour	3	1	5	$0	$0.00	$60	$720.00	$31	$465.00	$60	$300.00	0	$0.00	$150.00	$1,635.00
			SUBTOTAL TASK 1:					$0.00		$960.00		$713.00		$540.00		$0.00	$400.00	$2,613.00
			Total Travel Costs :					$0.00		$960.00		$713.00		$540.00		$0.00	$400.00	$2,613.00

Notes :

1 Transportation cost represents the lowest cost rental rate currently available.
2 Lodging, per diem, and mileage are in accordance with DEQ Contract.
3 Other/Car include expenses for fuel.
4 Distance from Helena to Troy is 300 miles. Assume 650 miles per trip.